

Title (en)  
HARQ-ACK TRANSMISSION METHOD, TERMINAL, AND BASE STATION

Title (de)  
HARQ-ACK-ÜBERTRAGUNGSVERFAHREN, ENDGERÄT UND BASISSTATION

Title (fr)  
PROCÉDÉ DE TRANSMISSION DE HARQ-ACK, TERMINAL ET STATION DE BASE

Publication  
**EP 3771129 A4 20210526 (EN)**

Application  
**EP 19781475 A 20190313**

Priority  
• CN 201810302306 A 20180404  
• CN 2019077996 W 20190313

Abstract (en)  
[origin: EP3771129A1] A HARQ-ACK message transmission method, a terminal and a base station are provided. The transmission method includes: when HARQ-ACK for a physical downlink channel received before BWP switching needs to be fed back after the BWP switching, determining, according to a preset rule, whether to transmit the HARQ-ACK for the physical downlink channel after the BWP switching.

IPC 8 full level  
**H04L 5/00** (2006.01); **H04L 1/16** (2006.01); **H04L 1/18** (2006.01)

CPC (source: CN EP KR US)  
**H04B 7/0456** (2013.01 - US); **H04L 1/1607** (2013.01 - CN); **H04L 1/1664** (2013.01 - KR); **H04L 1/1806** (2013.01 - CN KR); **H04L 1/1812** (2013.01 - CN KR); **H04L 1/1819** (2013.01 - US); **H04L 1/1854** (2013.01 - EP); **H04L 1/1896** (2013.01 - US); **H04L 5/0055** (2013.01 - CN KR US); **H04L 5/0078** (2013.01 - KR); **H04L 5/0092** (2013.01 - US); **H04L 5/0098** (2013.01 - KR); **H04L 5/1469** (2013.01 - US); **H04W 72/0446** (2013.01 - KR); **H04W 72/0453** (2013.01 - KR); **H04W 72/23** (2023.01 - KR US); **H04L 5/0007** (2013.01 - EP); **H04L 5/0053** (2013.01 - EP); **H04L 5/0055** (2013.01 - EP)

Citation (search report)  
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• See references of WO 2019192299A1

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)  
BA ME

DOCDB simple family (publication)  
**EP 3771129 A1 20210127**; **EP 3771129 A4 20210526**; **EP 3771129 B1 20231004**; CN 110351056 A 20191018; CN 110351056 B 20210709; JP 2021517439 A 20210715; JP 2023036744 A 20230314; JP 7354139 B2 20231002; KR 102585705 B1 20231005; KR 20200139231 A 20201211; TW 201943222 A 20191101; TW I717710 B 20210201; US 11621804 B2 20230404; US 2021058197 A1 20210225; WO 2019192299 A1 20191010

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**EP 19781475 A 20190313**; CN 201810302306 A 20180404; CN 2019077996 W 20190313; JP 2020554140 A 20190313; JP 2022200955 A 20221216; KR 20207031745 A 20190313; TW 108109530 A 20190320; US 201917044210 A 20190313